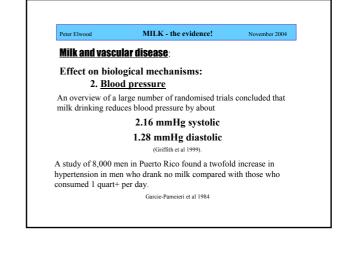
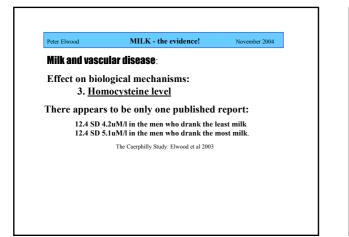
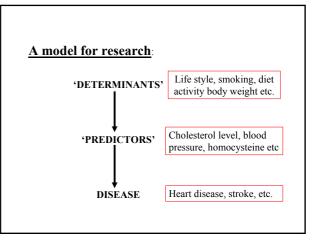
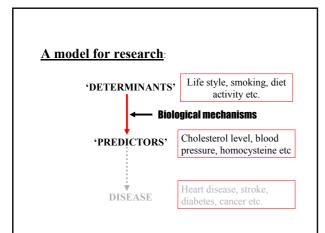


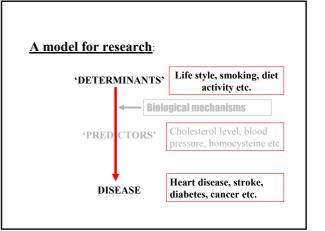
Effects on biological mechanisms:	
8	
1. <u>Cholesterol level</u>	
Cholesterol level in lowest and highest milk drinkers:	
Abbott et al (1996) 5.6 5.7 mmol/L	
Ness et al (2001) 5.87 5.90	
Nagaya et al (1996) 5.20 5.28	
Caerphilly 6.05 6.14	

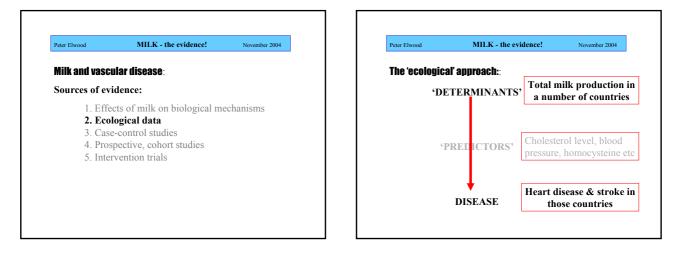


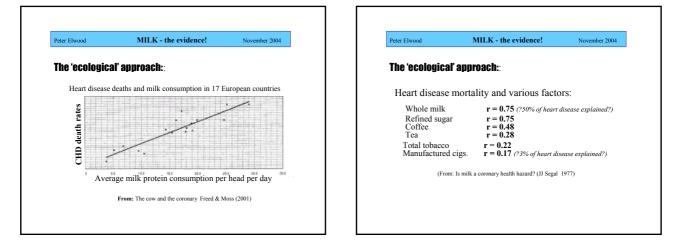


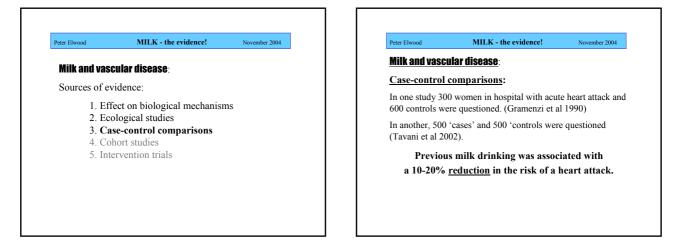


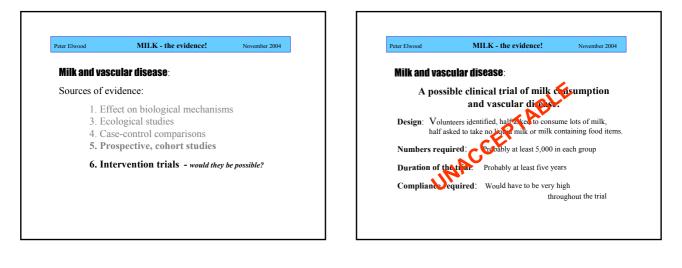


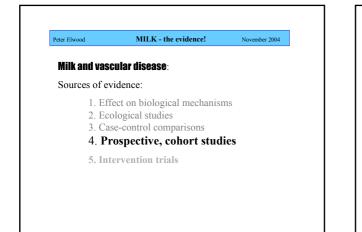


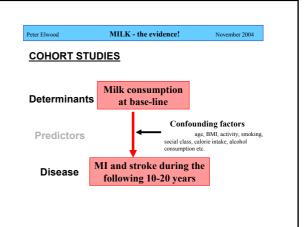












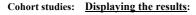
Peter Elwood	MILK - the evidence!	November 2004
There have	been 10 cohort studies	reported:
	rom the UK, four from the U ne Netherlands and Japan	SA, one each
- toget	her these comprise almost 4 over 8M man-years; 8,500 v	
	*4,533 heart attacks; 4,030 str	okes

Peter Elwood N		IILK - the evidence!	November 2004	
Coho	rt studies of milk	drinking:		
1986:	35K US women:	387 events	(Bostic 1999)	
1981:	7K UK men	608 events	(Shaper et al, 1991)	
1980	11K UK vegetarians	63 events	(Mann et al, (1997)	
1979	2.5K Welshmen	613 events	(Elwood et al, 2003)	
1976	86K US nurses	1,088 events	(Iso et al 1999)	
1970	6K Scotsmen	1,599 events	(Ness et al, 2001)	
1966	223K Japanese	544 events	(Kinjo et al, 1999)	
1965	3K Hawaiins	347 events	(Abbott et al, 1996)	
960	25K US subjects:	3,085 events	(Snowden et al, 1984)	
1953	2 6K Dutchmen	229 events	(Vijver et al, 1992)	

Peter Elwood

MILK - the evidence! November 2004

Peter	Elwood M	ILK - the eviden	ce! November 200
Coho	rt studies of milk	drinking:	Risk in subjects with the highest milk intake, Relative to that in
1986	35K US women	387 events	subjects with the lowest intakes $RR = 0.94$
1981	7K UK men	608 events	RR = 0.88
1980	11K UK vegetarians	63 events	RR = 1.50
1979	2.5K Welshmen	613 events	RR = 0.84
1976	86K US nurses	1,088 events	RR = 0.70
1970	6K Scotsmen	1,599 events	RR = 0.90
1966	223K Japanese	544 events	RR = 0.85
1965	3K Hawaiins	347 events	RR = 0.66
1960	25K US subjects	3,085 events	RR = 0.94
1953	2 6K Dutchmen	229 events	RR = 0.77

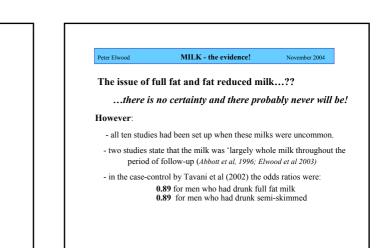


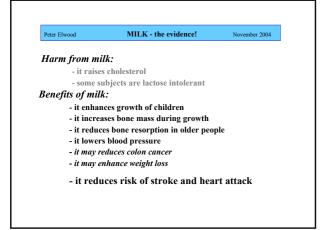
The risk of a heart attack in subjects who drank the most milk is calculated.

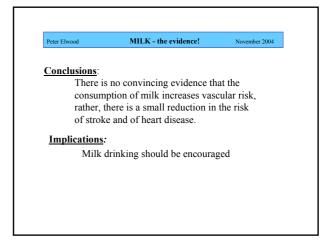
This is then related to the risk in the subjects who drank little or no milk, and expressed as a ratio.

A Risk Ratio of 1.5 means a 50% excess risk in subjects with the highest milk consumption, relative to the risk in subjects with the lowest milk intake

while a risk ratio of 0.7 means a 30% lower risk.







Peter Elwood

All 10 cohort studies: Overall, the risk in those with the highest milk consumption,

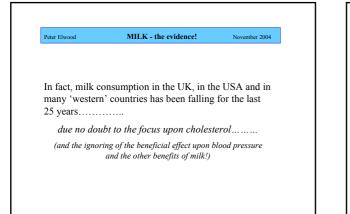
MILK - the evidence!

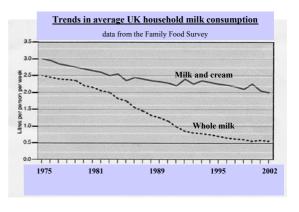
November 2004

relative to the risk in those with the lowest consumption:

0.87 (0.74-1.03) for MI

0.83 (0.77-0.90) for stroke 0.84 (0.78-0.90) for either





Peter Elwood	MILK - the evidence!	November 2004	Peter Elwood	MILK - the e	vidence! November 200-
	Overall conclusion			e ript! Poets at Tea' Barry Pa	in presents a picture of
Every effort should now be made to			Alfred Lord Tennyson, evidently suffering a mini-strok		
	nilk consumption, to re l in consumption, and			think I am drawing to For on a sudden came o	
milk to	o its rightful place in a 'healthy' diet.	truly	A	stretching of the hand nd a great darkness fa Hallelujah!kindly	alling on my soul,